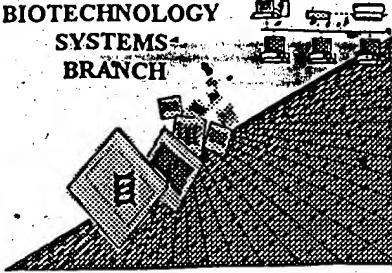


## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/965536

Source: OIPE

Date Processed by STIC: 11/07/01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/965536
<b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENCLISII "ALPIIA" HEADERS, WHICH WERE INSERTED BY P</b>		
1 <input type="checkbox"/> Wrapped Nucleic <input type="checkbox"/> Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino <input type="checkbox"/> Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 <input checked="" type="checkbox"/> "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences <input type="checkbox"/> (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (ii) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID.NO where "X" is shown) This sequence is intentionally skipped	
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences <input checked="" type="checkbox"/> (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's <input checked="" type="checkbox"/> (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents	
10 <input type="checkbox"/> Invalid <213> <input type="checkbox"/> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 <input checked="" type="checkbox"/> "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/965,536

DATE: 11/07/2001  
TIME: 14:48:12

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Output Set: N:\CRF3\11072001\I965536.raw

3 <110> APPLICANT: FEDER, J. N.  
 4 MINTIER, G.  
 5 RAMANATHAN, C. S.  
 6 HAWKEN, D. R.  
 8 <120> TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMY5,  
 9 EXPRESSED HIGHLY IN BRAIN AND OVARIAN TISSUES  
 11 <130> FILE REFERENCE: D0041NP/3053-4118US3  
**C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/965,536** *ov*  
 14 <141> CURRENT FILING DATE: 2001-09-26  
 16 <150> PRIOR APPLICATION NUMBER: 60/235,713  
 17 <151> PRIOR FILING DATE: 2000-09-27  
 19 <150> PRIOR APPLICATION NUMBER: 60/261,781  
 20 <151> PRIOR FILING DATE: 2001-01-16  
 22 <150> PRIOR APPLICATION NUMBER: 60/306,605  
 23 <151> PRIOR FILING DATE: 2001-07-19  
 25 <150> PRIOR APPLICATION NUMBER: 60/310,436  
 26 <151> PRIOR FILING DATE: 2001-08-03  
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 40 tgcttacccc gagctttca ctgtgtggc aaggatgact gtgggaacgg ggcggacgaa 180  
 41 gagaactgtg gtgacacttag tggatgggg accatatttg gcacagtgc tggaaatgct 240  
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for 21 and 22*

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/965,536

DATE: 11/07/2001  
TIME: 14:48:12

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 88 35 40 45  
 89 Asp Gly Lys Asp Asp Cys Gly Asn Gly Ala Asp Glu Glu Asn Cys Gly  
 90 50 55 60  
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 92 65 70 75 80  
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 94 85 90 95  
 95 Cys Cys Asp Cys Lys Glu Thr Glu Leu Glu Cys Val Asn Gly Asp Leu  
 96 100 105 110  
 97 Lys Ser Val Pro Met Ile Ser Asn Asn Val Thr Leu Leu Ser Leu Lys  
 98 115 120 125  
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 100 130 135 140  
 101 Lys Leu Lys Lys Ile Phe Leu Gln His Asn Cys Ile Arg His Ile Ser  
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 103 Arg Lys Ala Phe Phe Gly Leu Cys Asn Leu Gln Ile Leu Tyr Leu Asn  
 104 165 170 175  
 105 His Asn Cys Ile Thr Thr Leu Arg Pro Gly Ile Phe Lys Asp Leu His  
 106 180 185 190  
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 108 195 200 205  
 109 Gln Arg Leu Phe Thr Gly Leu Asn Ser Leu Phe Phe Leu Ser Met Val  
 110 210 215 220  
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**PATENT APPLICATION: US/09/965,536**

**DATE: 11/07/2001**  
**TIME: 14:48:12**

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132 260 265 270  
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135 275 280 285  
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138 290 295 300  
140 Pro His Leu Phe Lys Asp Leu Lys Leu Leu Gln Lys Leu Asn Leu Ser  
141 305 310 315 320  
143 Ser Asn Pro Leu Met Tyr Leu His Lys Asn Gln Phe Glu Ser Leu Lys  
144 325 330 335  
146 Gln Leu Gln Ser Leu Asp Leu Glu Arg Ile Glu Ile Pro Asn Ile Asn  
147 340 345 350  
149 Thr Arg Met Phe Gln Pro Met Lys Asn Leu Ser His Ile Tyr Phe Lys  
150 355 360 365  
152 Asn Phe Arg Tyr Cys Ser Tyr Ala Pro His Val Arg Ile Cys Met Pro  
153 370 375 380  
155 Leu Thr Asp Gly Ile Ser Ser Phe Glu Asp Leu Leu Ala Asn Asn Ile  
156 385 390 395 400  
158 Leu Arg Ile Phe Val Trp Val Ile Ala Phe Ile Thr Cys Phe Gly Asn  
159 405 410 415  
161 Leu Phe Val Ile Gly Met Arg Ser Phe Ile Lys Ala Glu Asn Thr Thr  
162 420 425 430  
164 His Ala Met Ser Ile Lys Ile Leu Cys Cys Ala Asp Cys Leu Met Gly  
165 435 440 445  
167 Val Tyr Leu Phe Phe Val Gly Ile Phe Asp Ile Lys Tyr Arg Gly Gln  
168 450 455 460  
170 Tyr Gln Lys Tyr Ala Leu Trp Met Glu Ser Val Gln Cys Arg Leu  
171 465 470 475 480  
173 Met Gly Phe Leu Ala Met Leu Ser Thr Glu Val Ser Val Leu Leu  
174 485 490 495  
176 Thr Tyr Leu Thr Leu Glu Lys Phe Leu Val Ile Val Phe Pro Phe Ser  
177 500 505 510  
179 Asn Ile Arg Pro Gly Lys Arg Gln Thr Ser Val Ile Leu Ile Cys Ile  
180 515 520 525  
182 Trp Met Ala Gly Phe Leu Ile Ala Val Ile Pro Phe Trp Asn Lys Asp  
183 530 535 540  
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194 Ile Thr Met Phe Cys Ser Ile Gln Lys Thr Ala Leu Gln Thr Thr Glu  
195 595 600 605  
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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/965,536

DATE: 11/07/2001  
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207           660          665          670
209 Leu Tyr Thr Leu Thr Thr Asn Phe Phe Lys Asp Lys Leu Lys Gln Leu
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212 Leu His Lys His Gln Arg Lys Ser Ile Phe Lys Ile Lys Lys Lys Ser
213           690          695          700
215 Leu Ser Thr Ser Ile Val Trp Ile Glu Asp Ser Ser Ser Leu Lys Leu
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/965,536

DATE: 11/07/2001

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 316 Phe Pro Cys Gly Asn Leu Thr Lys Cys Leu Pro Arg Ala Phe His Cys  
 317 35 40 45  
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09965536

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<212> DNA  
<213> Artificial Sequence

<220>  
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N=A+G+C+T; K=C+G+T

&lt;400&gt; 29

cgaagcgtaa gggcccagcc ggcnnknnk nnknnknnkn nknnknnknn knnknnknnk 60  
nnknnknnkn nknknknkn knnkccgggt cggggcggc 99

<210> 30  
<211> 95  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Oligo 2;  
N=A+G+C+T; V=C+A+G

&lt;400&gt; 30

aaaagggaaaa aagcgccgc vnnvnnvnnv nnvnnvnnvn nvnnvnnvnn vnnvnnvnnv 60  
nnvnnvnnvn nvnnvnnvn gccgccccgga cccgg 95

Does Not Comply  
Corrected Diskette Needed

Must enumerate unknowns "n's" in  
Fields 221, 222 and 223.

met

Fields 221 and 222 must be included in addition  
to fields 223. Unknowns must be enumerated as  
follows: "unrec", some numeric location, and some  
possible value.

Notation is odd. Do you mean  
more clearly That N = A or G or C or T

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/965,536

DATE: 11/07/2001  
TIME: 14:48:13

Input Set : A:\30534111.app  
Output Set: N:\CRF3\11072001\I965536.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:1767 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:29  
L:1767 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:29  
L:1767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:1768 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:29  
L:1768 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:29  
L:1768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:1781 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:30  
L:1781 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30  
L:1781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1782 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:30  
L:1782 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30  
L:1782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30